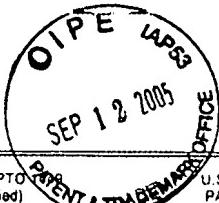


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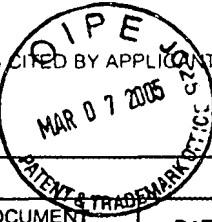
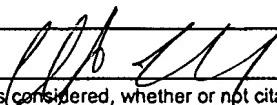
| Form PTO 1449<br>(Modified)  |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |           | ATTY DOCKET NO.<br>248067US3     | MAY 22 2006<br>PATENT & TRADEMARK OFFICE<br>APR 2006 | SERIAL NO.<br>10/764,441   |                            |
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|  |    |  |           | FILING DATE<br>January 27, 2004  | GROUP<br>3677  |  |                            |
| <b>U.S. PATENT DOCUMENTS</b>   |    |  |           |                                  |  |  |                            |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER  | DATE      | NAME                             | CLASS  | SUB CLASS  | FILING DATE IF APPROPRIATE |
|  | AA |  |           |                                  |  |  |                            |
|  | AB |  |           |                                  |  |  |                            |
|  | AC |  |           |                                  |  |  |                            |
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|  | AE |  |           |                                  |  |  |                            |
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|  | AH |  |           |                                  |  |  |                            |
|  | AI |  |           |                                  |  |  |                            |
|  | AJ |  |           |                                  |  |  |                            |
|  | AK |  |           |                                  |  |  |                            |
|  | AL |  |           |                                  |  |  |                            |
|  | AM |  |           |                                  |  |  |                            |
|  | AN |  |           |                                  |  |  |                            |
| <b>FOREIGN PATENT DOCUMENTS</b>  |    |  |           |                                  |  |  |                            |
|  |    | DOCUMENT NUMBER  | DATE      | COUNTRY                          | TRANSLATION  |  |                            |
| <i>GUE</i>   | AO | 49-2703  | 4/11/1972 | Japan (with Full Translation)    | X  |  |                            |
| <i>GUE</i>   | AP | 3014935  | 6/14/1995 | Japan (with Partial Translation) | X  |  |                            |
| <i>GUE</i>   | AQ | 58-126023  | 8/26/1983 | Japan                            |  | X  |                            |
| <i>GUE</i>   | AR | 62-24721   | 2/14/1987 | Japan                            |  | X  |                            |
|  | AS |  |           |                                  |  |  |                            |
|  | AT |  |           |                                  |  |  |                            |
|  | AU |  |           |                                  |  |  |                            |
|  | AV |  |           |                                  |  |  |                            |
| <b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b> |    |  |           |                                  |  |  |                            |
|  | AW |  |           |                                  |  |  |                            |
|  | AX |  |           |                                  |  |  |                            |
|  | AY |  |           |                                  |  |  |                            |
|  | AZ | <i>W. O. H.</i>  |           |                                  |  | <input type="checkbox"/> Additional References sheet(s) attached |                            |
| Examiner   |    |  |           | Date Considered <u>5/13/07</u>   |  |  |                            |

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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|  |    | FILING DATE<br>January 27, 2004                                  | GROUP<br>3677 |                              |                          |           |                            |
| U.S. PATENT DOCUMENTS  |    |  |               |                              |                          |           |                            |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER  | DATE          | NAME                         | CLASS                    | SUB CLASS | FILING DATE IF APPROPRIATE |
| GUE  | AA | 4,981,313  | 01/01/1991    | Shuji MAKAMURA               |                          |           |                            |
|  | AB |  |               |                              |                          |           |                            |
|  | AC |  |               |                              |                          |           |                            |
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|  | AM |  |               |                              |                          |           |                            |
|  | AN |  |               |                              |                          |           |                            |
| FOREIGN PATENT DOCUMENTS   |    |  |               |                              |                          |           |                            |
|  |    | DOCUMENT NUMBER  | DATE          | COUNTRY                      | TRANSLATION<br>YES       | NO        |                            |
| GUE  | AO | 1996-0006282   | 07/23/1996    | Korea (with English Claim 1) | <input type="checkbox"/> | X         |                            |
|  | AP |  |               |                              |                          |           |                            |
|  | AQ |  |               |                              |                          |           |                            |
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|  | AU |  |               |                              |                          |           |                            |
|  | AV |  |               |                              |                          |           |                            |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  |    |  |               |                              |                          |           |                            |
|  | AW |  |               |                              |                          |           |                            |
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|  | AZ | <input type="checkbox"/> Additional References sheet(s) attached |               |                              |                          |           |                            |
| Examiner   |    |  |               |                              | Date Considered          |           | 5/13/07                    |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |  |               |                              |                          |           |                            |

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| U.S. PATENT DOCUMENTS   |    |   |            |  |                         |  |                            |
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|   | AA |   |            |  |                         |  |                            |
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|   | AK |   |            |  |                         |  |                            |
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|   | AN |   |            |  |                         |  |                            |
| FOREIGN PATENT DOCUMENTS  |    |   |            |  |                         |  |                            |
|   |    | DOCUMENT NUMBER   | DATE       | COUNTRY  | TRANSLATION             |  |                            |
| <i>GUE</i>  | AO | 1087157C  | 07/10/2002 | CHINA (with corr. JP 8-196324)                               | YES                     | NO   | X                          |
| <i>GUE</i>  | AP | 8-196324  | 08/06/1996 | JAPAN (with Unedited Computer-generated English translation) |                         |  | X                          |
| <i>GUE</i>  | AQ | 1104079A  | 06/28/1995 | CHINA (with corr. JP 7-24104)                                |                         |  | X                          |
| <i>GUE</i>  | AR | 7-24104   | 05/09/1995 | JAPAN (with English Abstract)                                |                         |  | X                          |
|   | AS |   |            |  |                         |  |                            |
|   | AT |   |            |  |                         |  |                            |
|   | AU |   |            |  |                         |  |                            |
|   | AV |   |            |  |                         |  |                            |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)   |    |   |            |  |                         |  |                            |
|   | AW |   |            |  |                         |  |                            |
|   | AX |   |            |  |                         |  |                            |
|   | AY |   |            |  |                         |  |                            |
|   | AZ |   |            |  |                         | <input type="checkbox"/> Additional References sheet(s) attached |                            |
| Examiner   |    |   |            |  | Date Considered 5/13/07 |  |                            |
| <small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> |    |   |            |  |                         |  |                            |

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| <b>U.S. PATENT DOCUMENTS</b>   |    |  |            |                                 |                          |  |                            |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER  | DATE       | NAME                            | CLASS                    | SUB CLASS  | FILING DATE IF APPROPRIATE |
| <i>cue</i>   | AA | 4,466,645  | 08/21/1984 | F. KOBAYASHI                    |                          |  |                            |
|  | AB |  |            |                                 |                          |  |                            |
|  | AC |  |            |                                 |                          |  |                            |
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|  | AN |  |            |                                 |                          |  |                            |
| <b>FOREIGN PATENT DOCUMENTS</b>  |    |  |            |                                 |                          |  |                            |
|  |    | DOCUMENT NUMBER  | DATE       | COUNTRY                         | TRANSLATION              |  |                            |
| <i>cue</i>   | AO | 8-333939   | 12/17/1996 | JAPAN (with English Abstract)   | YES                      | NO   | <i>X</i>                   |
|  | AP |  |            |                                 |                          |  |                            |
|  | AQ |  |            |                                 |                          |  |                            |
|  | AR |  |            |                                 |                          |  |                            |
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|  | AV |  |            |                                 |                          |  |                            |
| <b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |    |  |            |                                 |                          |  |                            |
|  | AW |  |            |                                 |                          |  |                            |
|  | AX |  |            |                                 |                          |  |                            |
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| Examiner <i>cue</i>  |    |  |            | Date Considered <i>5/13/07</i>  |                          |  |                            |
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